JRA Tutors
Private tuition and small online Study Pods

Fractions, Decimals and Percentages

Grade 2 topic · Foundation and Higher · Edexcel and AQA

How to use this pack
20 questions that get harder as you go. Foundation students: aim for Questions 1–15 (28 marks) and have a go at the rest. Higher students: complete all 20. Show your working on the lines and write your final answer on the answer line, then mark yourself with the answers at the back. Diagrams are not drawn accurately. Total: 44 marks.

Warm-up

1 Write 17/50 as a decimal. **[1 mark]**

Answer _____

2 Write 0.1 as a fraction in its simplest form. **[2 marks]**

Answer _____

3 Write 1/4 as a decimal. **[1 mark]**

Answer _____

4 Write 0.45 as a fraction in its simplest form. **[2 marks]**

Answer _____

5 Write 3/20 as a decimal. **[2 marks]**

Answer _____

Core

6 Write 3/8 as a percentage. **[2 marks]**

Answer _____

7 Write 70% as a fraction in its simplest form. **[2 marks]**

Answer _____

8 Write 3/20 as a percentage. **[2 marks]**

Answer _____

9 Write 37% as a fraction in its simplest form. **[2 marks]**

Answer _____

10 Write 1/4 as a percentage. **[2 marks]**

Answer _____

Stretch

11 Write 0.44 as a percentage. **[2 marks]**

Answer _____

12 Write 0.5 as a percentage. **[2 marks]**

Answer _____

13 Write 0.34 as a percentage. **[2 marks]**

Answer _____

14 Complete the table: fraction 7/10, decimal ?, percentage ?. **[3 marks]**

Answer _____

15 Write 20% as a decimal. **[1 mark]**

Answer _____

Challenge

16 Write these in order, smallest first: 0.6, 5/8, 61%. **[4 marks]**

Answer _____

17 Write 11/20 as a percentage. **[2 marks]**

Answer _____

18 Write 1/3 as a percentage, to 1 decimal place. **[3 marks]**

Answer _____

19 Write 62.5% as a fraction in its simplest form. **[3 marks]**

Answer _____

20 In a class 18 out of 24 pupils walk to school. What percentage walk? What fraction do not walk? **[4 marks]**

Answer _____